EQKIT

Tools you need:	
①Iron (30W)	④Tweezers
②Solder wire	⑤Wire cutters
③Multimeter	

Precautions:

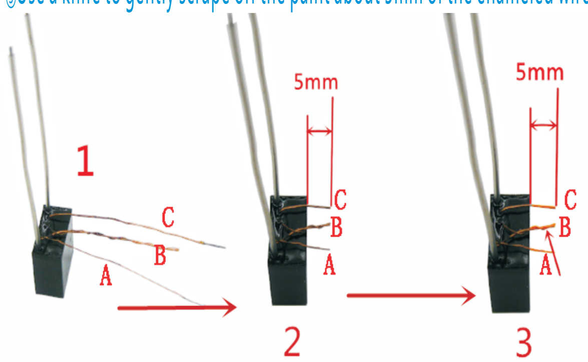
①Check part values & quantities against part list
②Always meter resistor values before soldering
③Understand all part polarities and orientations

HV－1 High voltagelighter kit instructions

Rev. 1. 0 July 25, 2017 Produced by YiQi

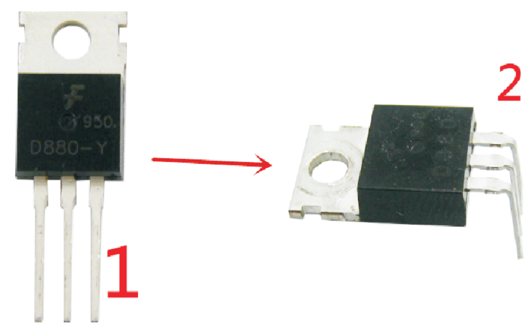
1.Front machining:

① Bend the pin of the transformer 90 degrees. Pay attention to the direction of the bending
② From the transformer shell where 5mm cut excess copper wire
③ Use a knife to gently scrape off the paint about 5mm of the enameled wire

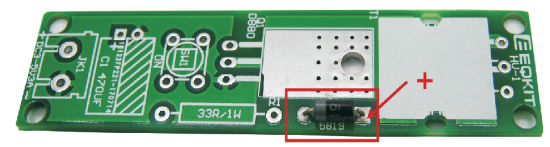


2. Processing triode

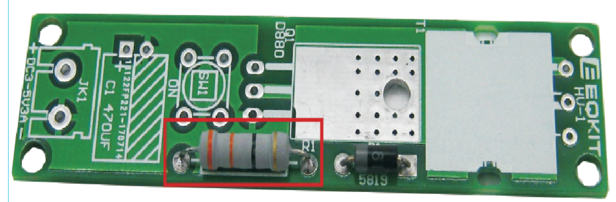
Bend the triode as 90 degrees
(Note the polarity direction)



3. Instal Idiode: Install 1N4007 to D1

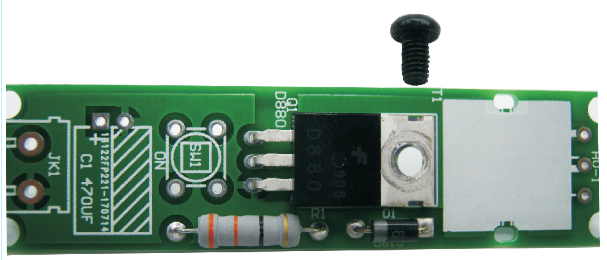


4. Install resistance. Install 33R/1W to R1



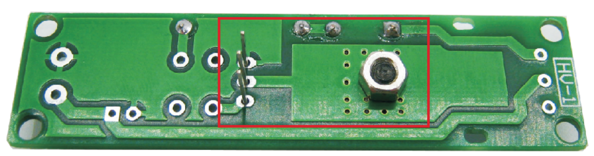
5. Install transistor to Q1

Be careful not to weld now

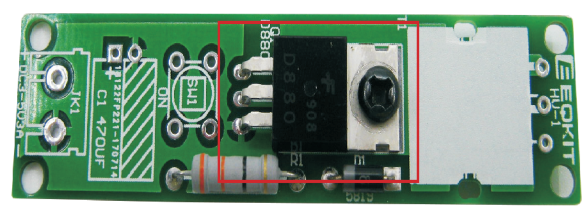


6. Fix the triode on the PCB with a screw

The back is locked with a nut

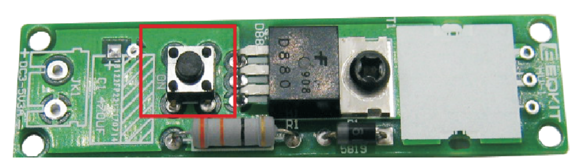


7. Finally, weld the triode.



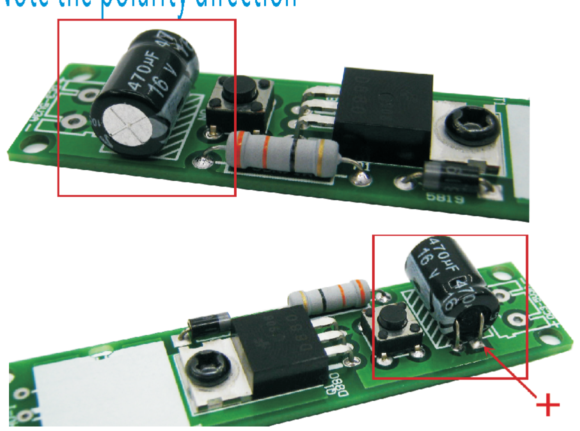
8. Install starting switch:

Contact switch to SW1

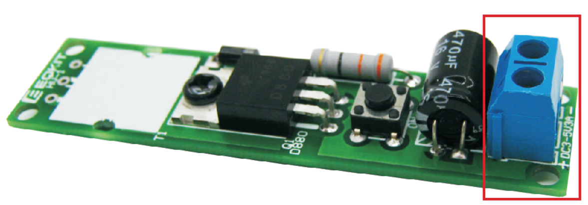


9. Bend the electrolytic capacitor to 90 degrees

Note the polarity direction

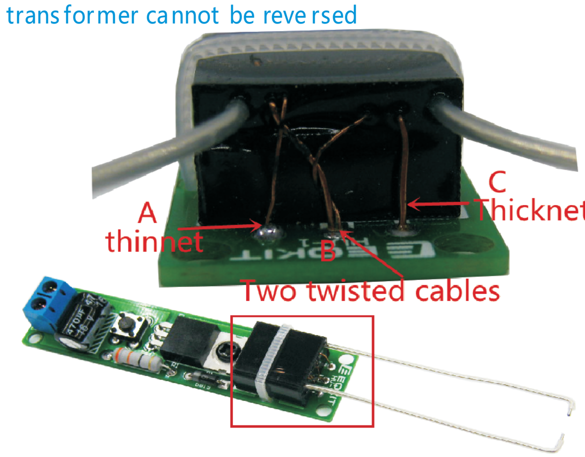


10. Install the battery terminals to JK1



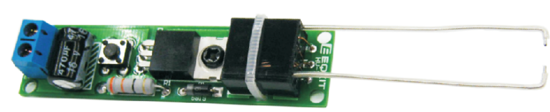
11.

①Install the transformer to the T1
Be careful not to weld now.
②Secure the transformer to the PCB with a harness
Then weld.Notice that the direction of the transformer cannot be reversed



12. Check the integrity of the component welds

To connect the power
Notice : The use of direct current 3-5V3A
Two of the translucent top of the line bending distance is about 5mm



HV-1 Electronic ignitor component list

NO.	Name	Mode	QTY
R1	R.E.S	33R/1W	1
C1	E.Cap	470UF	1
D1	Diode	1N4007	1
SW1	Contact switch	6*6*5	1
Q1	Triode	D880	1
JK1	Battery terminal	KF301-2P	1
T1	Transformer	14*15*8	1
———	PCB	HV-1 (18*71mm)	1
Q1	Screw	M3*5	1
Q1	Screw cap	M3	1
T1	Binding band	3*100mm	1

